



U.S. Department of Transportation
Federal Highway Administration
Office of Metropolitan Planning and Programs
Washington, DC 20590

Training Courses in Travel Demand Forecasting

* For more info on courses and scheduled offerings, see other side

* New Course

Development and Implementation of Travel Surveys

NHI #15134: Info on various travel survey techniques, data quality issues and cost

* Pending Development

Forecasting Zonal Demographics

Techniques for estimating future growth in households, income and employment distributions

* Newly Revised

Introduction to Urban Travel Demand Forecasting

NHI #15254 - Basics of Travel Demand Forecasting theory and application

* New Course

Advanced Urban Travel Demand Forecasting

NHI #15260 - For more experienced travel forecasters on the use of more advanced methods

* National Transit Institute Course

Forecasting Travel Demand for Transit and HOV

Techniques for extending the capabilities existing demand models to better incorporate transit and HOV

* Under Development - Available Fall 2001

Estimating Mobile Source Emissions

Developing an emissions estimate based on travel activity and emission rate modeling



NATIONAL HIGHWAY INSTITUTE

Training Solutions for Transportation Excellence



The Travel Model Improvement Program

Development and Implementation of Travel Surveys

This 3-day NHI course provides transportation planners with information on the development and implementation of the most common types of travel surveys, including: household travel and activity, vehicle intercept, transit on-board, commercial vehicle, work place, special generator, hotel/visitor, and parking surveys. The course is oriented toward those responsible for survey work and those who use the data collected such as modeling practitioners. The course also provides guidance for avoiding common problems encountered in performing travel surveys. The goal of the course is to increase the quality of travel survey results and to promote the efficient utilization of data collection resources. Cost: \$225.

Next Courses:
November 14-16, 2000
Des Moines, IA

December 5-7, 2000
Las Vegas, NV

Forecasting Zonal Demographics

Forecasts of zonal demographics are used extensively in travel demand forecasting, representing the growth and location of households and employment, and therefore activities. Historically, planning agencies have not received much training or technical assistance for this activity compared to the travel forecasting process, with the result being uncertainty of future growth scenarios and therefore less reliable travel forecasts. More effective methods to do this type of analysis exist, but may not be used by planning agencies. When developed, this new course will provide planners with information regarding data needs and sources and will present various types of analysis methods.

Introduction to Urban Travel Demand Forecasting

This 4-day NHI introductory course in travel demand forecasting has recently been redesigned. The course includes classroom lectures and workshops, and covers the traditional four step travel forecasting process of trip generation, trip distribution, mode choice and traffic assignment. It also includes presentations on the development of land use forecasts, network and zone structures and use of Geographic Information Systems in travel modeling. The course also includes one day of software applications to problems previously solved manually to reinforce the concepts taught in the classroom. The course will soon include a self-instructional CD that will serve as an introduction of travel forecasting principles and terminology to those with limited experience. Cost: \$300.

Next Courses:
October 24-27, 2000
Washington, DC

October 31- Nov. 3, 2000
Ames, IA

Advanced Urban Travel Demand Forecasting

The purpose of this 3.5-day NHI course is to build upon the introductory course, emphasizing advanced practices for travel demand modeling at the system level. The course consolidates the best procedures and methodologies to estimate demand impacts of a broad range of multimodal infrastructure investment and transportation/land use policy options for system planning. Topics covered include advanced practices for modeling of trip generation inputs, trip generation, trip distribution, mode choice, time-of-day analysis, traffic and transit trip assignment, and feedback loops, and overall model validation and reasonableness checks. Applications in each topic area are demonstrated through workshops exercises. Cost: \$260.

Next Courses:
September 26-29, 2000
Washington, DC

More dates TBA

Forecasting Travel Demand for Transit and HOV

Modelers, and managers of projects that have travel forecasting components, need to expand their basic understanding of travel forecasting to incorporate multimodal considerations. These considerations include how to represent transit and HOV supply characteristics, extend existing models to better incorporate transit and HOV, gather and analyze data necessary to calibrate and validate models, and develop measures of effectiveness to evaluate alternatives. This 3-day NTI course will help to encourage and support modeling efforts that function at a level that is state-of-the-practice and advance understanding of the capabilities and limitations of available data and procedures. It teaches basic multimodal concepts, principles of good practice, and methods to integrate technical information into the decision making process. Cost: \$450.

Next Courses:
September 27-29, 2000
Chicago, IL

October 3-5, 2000
Sacramento, CA

Estimating Mobile Source Emissions

The focus of this new training course is to develop the skills of planners responsible for estimating mobile source emissions to incorporate best practice techniques into application in their areas. It will provide an overview of travel demand forecasting models and land use/accessibility issues, emission factor models and travel related data requirements, vehicle miles of travel (VMT) estimation and forecasting, travel model and emission factor model interactions, and assessing Transportation Control Measure effectiveness and impacts on emissions.

FOR MORE INFORMATION

For NHI Courses: <http://nhi.fhwa.dot.gov/>
For NTI Courses: <http://www.ntionline.com/>

Or contact:
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